

SHEEP & GOAT NEWSLETTER

Vol. XXV

Editor: Helen A. Swartz

NO. 2

REPRODUCTIVE SHORT COURSE IN SHEEP

April 20-21, 2007

Carver Farm

Jefferson City, MO

Glen Erickson, the shepherd at Utah State University will be teaching a two-day workshop on artificial insemination in the ewe including laparoscopic, transcervical and vaginal techniques and semen collection and evaluation in rams on April 20-21, 2007 being held at Carver Farm in Jefferson City, MO. Producers interested in using artificial insemination in their flocks to produce fall lambs and improve traits and those needing ram semen evaluated may want to attend this workshop. Glen Erickson is well known in sheep circles for his excellent work with artificial insemination and semen evaluation. The objective is to help producers make more money using techniques on the cutting edge taught by nationally know Glen Erickson. This is an opportunity you won't want to miss!!!

SHEEP REPRODUCTIVE SHORT COURSE EWE & RAM

Friday, April 20, 2007

- 8:30 a.m. WELCOME-HELEN SWARTZ, LINCOLN UNIVERSITY**
- 8:40 a.m. Reproductive Successes and Failures in ewes & rams----Glen Erickson, Utah State University**
- 9:40 a.m. Factors that lead to failures in breeding on the male side, how to avoid failure-Glen Erickson**
- 11:00 a.m. Factors that lead to successes on the male side-Glen Erickson**
- 11:45 a.m. Solving and preventing lambing problems**
- 12:15 LUNCH PROVIDED**
- 1:00 p.m. Ewe management for breeding in and out of season-Glen Erickson**
- 2:30 p.m. BREAK**
- 2:45 p.m. Differences in sheep breeds in cycling for spring and fall lambs**
- 3:45 p.m. Natural and induced breeding in ewes of all breeds and the differences-Glen Erickson**
- 4:15 p.m. BREAK**
- 4:30 p.m. Preparing ewes for fall lambing-demonstration on CIDRs, nutrition, health, environmental factors and management-Glen Erickson**
- 5:30 p.m. DINNER PROVIDED**

Saturday, April 21, 2007

- 8:30 a.m. Semen collection and evaluation-using the proper techniques for success-Glen Erickson**
- 10:00 a.m. Collection methods, using semen extenders for best success and why, Freezing semen properly in rams for highest success in breeding-**

Glen Erickson

DEMONSTRATIONS ON SATURDAY USING LIVE RAMS

NOON-LUNCH PROVIDED

Producers may bring rams from home---only a limited number, contact: Arlene Stewart to book your ram.

APPLICATION FOR SHORT COURSE IN SHEEP REPRODUCTION

Name: _____

Address: _____

City: _____

State: _____

Zip code: _____

e-mail: _____

ph: _____

Fee: \$50

Send to check or money order payable to Lincoln University:

Arlene Stewart

P.O. Box 29

Lincoln University

Jefferson City, MO 65102-0029

Ph: 573-681-5540

e-mail:stewart@lincolnu.edu

GOAT SHORT COURSE

LINCOLN UNIVERSITY

CARVER FARM

MAY 4 & 5, 2007

DATE- Friday, May 4, 2007

10:00 a.m. Fencing for goats-Allen Huhn

10:45 a.m. Forage Management-Dr. Rob Kallenbach, UMC

11:00 a.m. Feeding Program for Goats-Dr. Helen Swartz, LU

NOON-LUNCHEON & TRADE SHOW

1:00-2:30 p.m. Basic Kid Care - Lori Peterson

3:30-3:00 p.m. Predator Control-David Coplen

3:00-4:00 p.m. How to determine fecal egg counts in goats - Arlene Stewart

4:00-5:30 p.m.-Round table discussion- John Edwards, Helen Swartz, Scott Mauney & David Coplen

Moderator- Dan Sommerer

5:15 p.m.-DINNER BREAK/TRADE SHOW

6:30 p.m. MEAT GOAT 101-John Edwards, Texas

Saturday, May 5, 2007

8:30 a.m. Coffee-Donuts

9:00 a.m. Practical applications in artificial insemination, semen collection, and embryo transfer – John Edwards

10:30 a.m. Preparing does for successful embryo transfer - John Edwards

NOON LUNCH/TRADE SHOW

1:00 p.m. Meat Goat Fitting for show-Jan Smith & Lori Peterson (Demo)

1:00 p.m. Dairy goat Fitting (TBA) (Demo)

3:00-5:00 p.m. Wether goat show preparation-Scott Mauney, Texas (demo)

Showing your goat-Scott Mauney & Jan Smith (demo)

5:00 p.m. Maximizing your 90 seconds in front of the judge-Jan Smith

Motels in Jeff City: Best Western (block reserved) 573-635-4175;

Econo Lodge 573-636-2797; Budget Inn 573-636-6167; Truman Hotel 573-635-7171

TRADE SHOW BOOTHS-free if donations are made for the drawings, i.e.; Nutrition-equipment-medications, other.

SNACKS-Soda, tea, coffee, water

NO BABYSITTING WILL BE PROVIDED

FEE: \$50 INDIVIDUAL, \$80 COUPLE IF PAID PRIOR TO THE EVENT

Children under 10 years of age-FREE-10 to 17 yrs.-\$10

LATE FEE OR AT THE DOOR -\$60 INDIVIDUAL & \$90 COUPLE

REGISTRATION FORM

Name_____

Address_____

City_____

State_____

Zip Code_____

E-mail:_____

Web site:_____

Phone no._____

Age of youth_____

Send check or money order made out to:

Lincoln University

mail to:

Dan Sommerer

Lincoln University

Box 29

Jefferson City, MO 65102-0029

**MIDWEST STUD RAM SALE
Missouri State Fairgrounds
SEDALIA, MO
JUNE 24-28, 2007**

The top purebred sheep in the nation will be sold at the Midwest Stud Ram sale held in Sedalia, MO each year. Come join us for purchases that will improve your flocks of sheep and herds of Boer goats.

Sunday-June 24

National Corriedale Junior Show-Judge/Craig Packer

Monday-June 25

8:00 a.m.-National Dorper & Texel Junior Shows

11:00 a.m.-National Texel Show-Judge/Billy Wade

11:00 a.m.-Montadale Show/Judge/Jeremy Etzler

12:30 p.m.-Katahdin Show-Judge/Billy Wade

12:30 p.m.-Polypay Show-/Judge/Jeremy Etzler

4:30 p.m.-Rambouillet Show-Judge/David Cook

6:00 p.m.-National Dorper Show-Judge Endre Fink

Tuesday-June 26

8:00 a.m.-Columbia Show-Judge/Brad Gillmore

10:00 a.m.-Natural Colored Sheep Show-Judge Brad Gillmore

1:00 p.m.-Southdown Show-Judge/Shawn Ramsey

Tuesday-June 26

SWINE BARN

8:00 a.m. National Hampshire Show-Judge/Jeremy Etzler

1:00 p.m.-Polled & Horned Dorsets-Judge/David Cook

7:30 p.m.-Midwest Sale Party & Awards Ceremony

Wednesday-June 27

12:00 NOON SHEEP BARN SALES

**National Texel Sale, National
Corriedale Sale, Katahdin Sale,**

**Polypay Sale, Natural Colored
Sheep Show, Montadale Sale**

Wednesday, June 27

SWINE BARN

8:00 a.m. Suffolk Show, Judge/ TBD

3:00 p.m. ZANOLINI SEMINAR

6:00 p.m.-All Shropshire, Dorset Wether-

Sires & All Club Lambs, Judge/ Brad Gillmore

AGRICULTURE BUILDING

7:00 p.m.-BOER GOAT SHOW, Judge/Shawn Ramsey

Thursday-June 28

8:00 a.m.-SHEEP BARN SALES

**National Dorper Sale, Southdowns,
Columbia & Rambouillets**

Thursday-June 28

SWINE BARN

**7:00 a.m. - All Blackface wether sires & dams
(same show & sale order, Judge/Brad Gillmore**

Thursday-June 28

AGRICULTURE BUILDING

7:00 p.m.-Boer Goat Sale

Friday-June 29

8:00 a.m. SWINE BARN SALE

**National Hampshire Show, Suffolk,
Polled Dorset, Dorset Wether-Sires**

And Shropshires

Saturday-June 30, 2007

8:00 a.m. SWINE BARN SALES

Club lambs followed by all Blackfaced sheep, order to be determined

**For further information, please contact: Larry Mead, Mead Livestock Services
Box 796, Columbia, MO 65109**

**MEAT RESEARCH IN SHEEP & GOATS
Reported at the 14th Biennial Research Symposium
Atlanta, GA. April 1-5, 2006**

Fatty Acid Composition of Chevon compared to lamb conjugated linoleic acids (CLA) which are naturally produced by ruminants, may provide anti-atherogenic effects in humans. Marble, D.V., et al., of Fort Valley, GA determined variation in the distribution of fatty acids in fresh lamb and chevon (goat meat). The lamb and kids were raised on pasture supplemented with a concentrate. The results indicated that chevon may have healthier fatty acid profiles compared to lamb.

Chevon quality characteristics were reported by Eega, K.R. et al., of Fort Valley, GA. comparing lamb to chevon. Lamb was reported as more tender meat than chevon (goat meat). Lambs and kids grazing pasture (n=16) were slaughtered using standard procedures. Carcasses were fabricated with primal cut used in the comparisons. Warner-Bratzler shear force values were determined at 24 hrs. postmortem. The WBS in the lamb chops was significantly lower compared to the chevon chops. The values for color showed a better color for lamb compared to chevon and cooking loss was not influenced by species.

Effects of deworming sheep and goats with herbs was reported by Jonathan Schulte et al., Lincoln University of Missouri. This paper placed second in competition with 10 students in the section. Results of breed differences in fecal egg counts (FEC) statistics reported (P<.0001); lowest count in the Katahdin hair sheep and highest in the Dorset wool sheep and intermediate in the Boer goats. The hematocrits showed breed (P<.0001) time (P<.0001) and interaction of breed x time x treatment (P<.01).

Studies are continuing at Lincoln University using herbs as a dewormer compared to Ivomec and a control group.

CELEBRATING 60 YEARS OF FIBER ARTS
Boone County Historical Society Museum
Columbia, MO

Beginning on March 17, 2007 at Boone County Historical Society Museum in Columbia, MO, a celebration of the 60th year of the Columbia Weavers & Spinners guild with an exhibition title, *Many threads, one Fabric*, is being held. A two month exhibit will end May 13th. The museum is located at: 3801 Ponderosa Drive, Columbia, MO. Mark your calendars—all are cordially invited to attend the celebration and exhibition of works on weaving, felting, paperwork, knitting, basketry and other fiber techniques. The opening reception was held on March 18th. The 5th annual youth art competition and exhibition was held in conjunction with the 60th anniversary CWSG sponsored event. There were eight schools participating in the youth art competition with youth entered from 3rd grade through 7th grade competing. For further information on this event, please e-mail: spindleandshuttle@century.net or call: Jenny Sennott at: 573-682-2239 or Nancy Finke at: 573-449-0178. Drop by to visit the exhibits, there are fascinating items on display.

UTILIZING PASTURE FOR SHEEP & GOAT PRODUCTION

Much of Missouri land is quite suitable for sheep and goat grazing. Sheep prefer forbs (weeds) and goats prefer browse. Managing forage production for grazing sheep and goats can supply 80 percent of the yearly nutritional requirements. The differences in grazing preferences of sheep and goats provide information that producers can utilize depending on what is available on the farm(s). Oak and hickory are in abundance in the southern half of the state as well as other browse plants that goats prefer. Goats also graze on cool season grasses as well as sheep. Research conducted at Lincoln University with goats having access to four major browse plants, with two, multi-flora rose and blackberry briars along with warm and cool season grasses showed various preferences depending on the time of year and available of plants. Students clocked the time spent grazing all available forages and browse. The first preference in the spring by goats was hop clover. The goats switched within a day to other plants, obviously depending on the taste and flavor of what was available. The warm season grass grazing season was short from late June through early August.

Counting the number of days sheep and goats graze per acre in a particular pasture counts sheep/goat days as the number of animals per acre in a pasture that will support the number. For example, 350 sheep/goat days for wheat means that an acre will support 10 sheep/goats for 35 days.

Many acres in Missouri are unimproved pastures and in some cases may merely serve as “weed killers”. Under these conditions the sheep/goats performance and profits may be low, however cattle would be low as well grazing these pastures.

Cattle, sheep and goats grazing unimproved pastures are selective with cattle grazing grass, sheep preferring forbs (weeds) and goats preferring browse. However, the pastures may not have an abundance of all three and sheep and goats will compete with cattle but select other plants making good use of all plants.

Improving pastures suited for improved forage production will result in increased profits from sheep and goats. A pasture of 30 acres of land can be suitable for the needs of 100-ewes or 120 goats. A year long pasture calendar can be developed. Forages year round are included below:

1. Tall fescue-winter and spring grazing
2. Orchardgrass-spring and fall grazing
3. Bromegrass or timothy-early summer grazing
4. Birdsfoot trefoil-mid-summer and early fall grazing
5. Kentucky bluegrass-spring and fall grazing
6. Lespedeza-mid-summer and early fall grazing
7. Wheat-early fall & early spring grazing
8. Oats & broadleaf rape-spring grazing prior to turnip seeding
9. Turnips-October through December grazing (seeded in July)
10. Sudangrass-temporary mid-summer grazing
11. Forage producing annuals-mid-summer until frost-
i.e., California blackeye # 5 cowpeas-grows 8 ft in length

Management of grasses and legumes is critical to reduce detrimental effects grazing with sheep and goats. Mixed grass and legumes cuts down on bloat as opposed to grazing straight legumes. Talk to your regional agronomist about developing improved pastures for sheep and goats to take advantage of an improved grazing system.

Source: J. B. Outhouse, K.D. Johnson and C.L. Ryhkerd, Purdue University

Calendar

March 17 through May 13-Columbia Weavers & Spinners Guild 60th year exhibit

Contact: Jenny Sennott-573-682-2239

April 20-21, 2007

Sheep Reproductive Short Course-Carver Farm

Contact: Arlene Stewart or Helen Swartz\

573-681-5540 or e-mail: StewartA@lincolnu.edu

May 4-5, 2007

Goat Short Course-Carver Farm

Contact: Dan Sommerer or Helen Swartz

573-681-5540 or e-mail: SommerD@lincolnu.edu

June 24-28, 2007

Midwest Stud Ram Sale-MO State Fairground
Sedalia, MO

Contact: Larry Mead, ph: 573-442-8257